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MONTHLY LETTER OF THE BUREAU OF ENTOMOLOGY  
UNITED STATES DEPARTMENT OF AGRICULTURE

Number 61

May, 1919

## SOUTHERN FIELD CROP INSECT INVESTIGATIONS

J. L. Webb, Entomological Assistant Acting in Charge

E. R. Barber reports from Mercedes, Cuba, that he finds ample opportunity for securing parasites of the sugar-cane moth borer, but that living conditions are very poor.

Geo. W. Goergens, of the Motion Picture Laboratory, spent the period from May 28 to June 6 inclusive with F. C. Bishopp at Dallas, Tex., for the purpose of completing certain films, partially made last year, which depict control measures against insects injurious to domestic animals.

H. W. Lee has resigned from the boll-weevil force to accept a position with the Niagara Sprayer Company.

The following appointments have been made:

Joe Milam, field assistant, Clarksville, Tenn., laboratory, effective May 7.

L. Z. Naylor, entomological laboratory assistant, boll weevil laboratory, effective May 16.

Jos. D. Smith, scientific assistant, Clarksville, Tenn., laboratory, effective June 1.

J. W. Hill, field assistant, Clarksville laboratory, effective June 2.

## FEDERAL HORTICULTURAL BOARD

C. L. Marlatt, Chairman

C. L. Marlatt attended the meetings in Riverside, Cal., during Horticultural Week, May 26 to 31 inclusive, and presented papers on the pink bollworm, an introduced pest of cotton, and how it is being eradicated from the cotton fields of Texas. He also made addresses before the fruit growers, farmers, and county horticultural commissioners.

O. D. Deputy, formerly in charge of the work at Laredo, Tex.; has been made assistant inspector in charge of all Border fumigation work. E. S. Jewell has been placed in charge of the work at Laredo.

Harry Sargent, a graduate of the University of California, after a month's training under Frederick Maskew, at San Francisco, Cal., has been stationed at Seattle, Wash., to assist A. G. Webb with port inspection. In the future it is planned to guard this port carefully to prevent the entry of injurious insects and plant diseases either in ships' stores, passengers' baggage, or merchandise.

C. A. Bennett, a graduate of the New Hampshire Agricultural College, has been appointed as an entomological inspector, with assignment to Washington, D. C. Mr. Bennett has very recently returned from France, where he saw active service.

H.Y. Gouldman, who until recently was in the U.S. Navy, has been appointed as a plant quarantine inspector, with assignment to Washington, D.C. Mr. Gouldman is a graduate of the Virginia Polytechnic Institute, and previous to going into the Navy worked in the Office of Foreign Seed and Plant Introduction, Bureau of Plant Industry.

H.L. Sanford spent the latter part of May studying port conditions at Key West, Florida, in cooperation with inspectors of the Florida Plant Board.

A book on the "Agricaceae of Michigan," by Dr. C. H. Kauffman, pathological inspector of this Board, was recently released by the publishers. This monumental piece of work was written by Dr. Kauffman while connected with the University of Michigan.

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## TROPICAL AND SUBTROPICAL FRUIT INSECT INVESTIGATIONS

C.L. Marlatt, Entomologist in Charge

C. L. Marlatt visited the field station at Alhambra, Cal., the latter part of May.

R. S. Woglum and M. B. Rounds presented papers on liquid hydrocyanic acid fumigation at the Pacific Slope Branch of the Association of American Economic Entomologists, held at Riverside, Cal., May 28 and 29.

At the annual meeting of the Gulf Coast Florida Horticultural Society, a resolution was adopted extending to W. W. Yothers a vote of thanks for his support and efforts in their industry and hopes for the continuance of his friendship and labor. He was at the same time made an honorary member of the society, exempt from dues.

H. F. Willard has submitted for publication in the Journal of Agricultural Research a paper on "Work and Parasitism of the Mediterranean Fruit Fly in Hawaii during 1918."

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## LIBRARY

Mabel Colcord, Librarian

### New Books

Dash, J. Sidney. Quelques conseils aux producteurs de cannes de la Guadeloupe. Pointe à Pitre, Imp. René Edmond, 1919. 35 p., illus. (Station Agronomique de la Guadeloupe, Antilles Francaises Bul. 1.)

Des insectes et maladies, p. 20-27

Douchage pour la destruction des tiques à Antiques, par P.T. Sanders, p. 31-35.

King, W. V. A novel observation upon mosquitoes. Some notes regarding their flight through horizontal water pipes. Scientific American Sup., v. 87, no. 2255, p. 186. March 22, 1919.

Lochhead, William. Class book of economic entomology with special reference to the economic insects of the northern United States and Canada. 436 p., illus. 8°. Phila., P. Blakiston's Son & Co., 1919.

Bibliography, p. 407-408.

Mauritius. Dept. of Agriculture. Bulletin. Science ser. no. 6. April, 1918.

Contents: The importation of Tiphia parallela from Barbados to Mauritius. English edition. p. 93-102, illus., pl. 8°. Mauritius, Gov't press, Port Louis, 1918.

Morley, Margaret W. The honey-makers. 424 p., illus. 8°. Chicago, A. C. McClurg & Co., 1915.

Nishigahara, Japan, Imperial agricultural experiment station. Bulletin, v. 2, no. 2, p. 85-165. Tokio, February, 1919.

Contents: Miyake, Tsunekata. Studies in the fruit-flies of Japan.

Queensland Bureau of sugar experiment stations, Div. Ent. Bulletin no. 7, 29 p. 8°. Brisbane, James Cumming, Gov't printer, 1919.

Contents: Monthly notes on grubs and other cane pests, by J. F. Illingworth. 1917-1918.

Rauschenfels, A. d' Atlante di apicoltura. Anatomia, istologia, patologia e parassitologia dell' ape. 30 col. plates with text explanations. 8°. Milano, Ulrico Hoepli, 1901.

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## DECIDUOUS FRUIT INSECT INVESTIGATIONS

A.L. Quaintance, Entomologist in Charge

J. J. Davis, formerly connected with the Office of Cereal and Forage Insect Investigations, with headquarters at La Fayette, Ind., has accepted an appointment with the New Jersey Department of Agriculture and is in immediate charge of the cooperative project, "Eradication and control of the Japanese beetle", with headquarters at Riverton, N. J.

W. H. Goodwin has accepted an appointment in the Bureau of Entomology as plant quarantine inspector and will be connected with the Japanese beetle eradication work at Riverton, N. J., giving special attention to insecticidal operations in the field.

C. H. Hadley has been appointed as plant quarantine inspector under the Federal Horticultural Board for work in connection with the Federal quarantine of the Japanese beetle, with headquarters at Riverton, N. J.

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## CEREAL AND FORAGE INSECT INVESTIGATIONS

W. R. Walton, Entomologist in Charge

Lieut. Geo. W. Barber has been released from the military service and reappointed as scientific assistant in this branch of the Bureau, and assigned to the corn borer investigations with headquarters at Arlington, Mass. Mr. Barber entered on his new appointment May 20.

Robert Fouts, a specialist in Hymenoptera, has been appointed for the summer months for the purpose of assisting A. B. Gahan in the determination of parasitic material, and will be located at the National Museum during his period of engagement.

H. H. Nininger, formerly engaged as special field agent in extensional work and located in South Dakota, resigned on May 31, to accept a position as special extension entomologist for the State of Kansas.

V. L. Wildermuth and W. R. McConnell recently visited Washington for the purpose of consultation and preparation of manuscripts.

F. H. Gates, located at Tempe, Ariz., resigned from the Bureau, effective April 30, for the purpose of accepting a fine position in commercial work. Mr. Gates will be located at Phoenix.

C. W. Creel is at present visiting the Moapa Indian Reservation, Moapa, Nev., for the purpose of assisting in the organization of a campaign against grasshoppers on the Indian lands, in cooperation with the Office of Indian Affairs.

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## STORED PRODUCT INSECT INVESTIGATIONS

E.A. Back, Entomologist in Charge

William R. Irving, a graduate of the Taunton, Mass., High School and of the Massachusetts Agricultural College, has been appointed scientific assistant and will be stationed at Alhambra, Cal., to assist A.O. Larson in bean weevil investigations. Mr. Irving enlisted at the outbreak of the war, was commissioned a lieutenant in the U. S. Infantry, saw service in France, was badly wounded, and is only recently out of the hospital. He was honorably discharged from the Army on May 29.

Richard T. Cotton has established his laboratory in a newly constructed house at Orlando, Fla., and reports that his work is opening up in a most satisfactory manner. While Orlando is rather far south for corn weevil investigations, from the standpoint of crop production, the location of Orlando was chosen because of the presence there of certain pests of corn that are not present in injurious numbers even as far north as northern Florida. For several years the warm climate of Florida will aid in the accumulation of needed biological data.

Dr. E. A. Back spent the last two weeks of May in New Orleans, cooperating with a large import and export concern, the work leading to the control of bruchids in several million dollars worth of edible legumes. The result of the fumigation with hydrocyanic acid gas of these stocks in five warehouses has been very satisfactory. The saving effected has already been worth many thousands of dollars to the owners. Several tons of cyanid were used.

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## TRUCK CROP INSECT INVESTIGATIONS

F.H. Chittenden, Entomologist in Charge

The distribution of weevil-free draws which has been undertaken in the Baker-Charlton area in Florida and Georgia has been completed in a satisfactory manner, and the eradication project now awaits midsummer réinspection. The indications are that a material difference will be shown in the percentage of infestation the coming fall. S. H. Rountree has been left in charge of the station at Macclenny during the summer, and will assist the growers in any difficulties which may be encountered previous to the réinspection. J. W. Hendry and A. B. Jarrell, inspectors, will resume the location of new weevil infestations in northern Florida. B. L. Boyden is now visiting the sweet-potato weevil field stations in Louisiana and Mississippi for the purpose of conference with regard to methods of morning-glory eradication and the heat treatment of tubers.

J. E. Graf, entomologist in charge of field work on the sweet-potato weevil, will visit Washington for conference in early June.

C. H. Batchelder, engaged in truck insect investigations in Maine, has established summer headquarters at Presque Isle, where he will investigate potato insects.

H. K. Laramore, who recently returned from overseas service, has resumed the investigation of cucumber insects at Plymouth, Ind.

J. W. Sauer, who last summer assisted M. M. High in sweet-potato weevil investigations at Kingsville, Tex., has been reappointed for the coming summer.

A. P. Swallow, extension entomologist in truck crop insect work, will resign July 1 to accept a similar position with the Texas Agricultural College.

L. G. Gentner has been transferred to investigational work on truck crop insects in Wisconsin. He was formerly extension entomologist in truck insect control for that State.

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